

Appl. No.: 10/004,815
Amdt. dated 12/30/2005
Reply to Office action of 10/04/2005

Amendments to the Claims:

This listing of claims replaces all prior listings, and versions, of claims in the present application.

Listing of Claims:

1. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements controlled by said digital control, said intra-changeable elements being defined by having a physical characteristic that is changeable responsive to said digital control, and where said elements are used in the user interface of said communication unit.

2-5. (Canceled)

6. (Previously Presented) A communication unit provided with intra-changeable elements according to claim 1 wherein said intra-changeable elements are compressible and expandable.

7. (Previously Presented) A communication unit provided with intra-changeable elements according to claim 1 wherein said intra-changeable elements are piezo-electrical elements.

8. (Previously Presented) A communication unit provided with intra-changeable elements according to claim 1 wherein said intra-changeable are made of elasto-resistive materials.

9. (Canceled)

10. (Canceled)

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11. (Previously Presented) A communication unit provided with intra-changeable elements according to claim 1 wherein said intra-changeable elements are included in both an input and an output device of said communication unit, and said processor modulates said intra-changeable elements wherein said input and output device is a cover part of the communication unit.

12. (Previously Presented) A method for inputting of data to a communication unit provided with a keypad wherein individual keys of said keypad are changeable to provide a sensory indication of the keys available to make the communication unit perform an action by pressing said changeable keys, and that change of individual keys is performed by having intra-changeable elements in said individual keys.

13. (Previously Presented) A method for transferring an input from a first communication unit to a second communication unit, and displaying said input as output in said second communication unit, where operation of said first communication unit includes the following steps:

compressing an input device including intra-changeable elements on a first communication unit;

transforming the input from said intra-changeable elements of said input device to electrical signals;

transferring said electrical signals from said first communication unit to a second communication unit;

and wherein said second communication unit includes the following steps:

receiving said electrical signals from said first communication unit at said second communication unit;

retransforming said electrical signals in said second communication unit to output signals to intra-changeable elements of said second communication unit and;

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transferring said output signals to said intra-changeable elements of said second communication unit and expanding said intra-changeable elements according to said output signals.

14. (Currently Amended) A communication device having a user interface for inputting data to the device, the device comprising:

a receiver for receiving a control signal; and

a changeable element, responsive to the received signal, to change physical characteristics of the element, wherein the changeable element forms part of a user interface and wherein the changeable element responds to the control signal to indicate an availability of the element for inputting data to the device.

15. (Previously Presented) A communication device of claim 14, wherein changeable characteristics of the changeable element are controlled by a digital controller with associated random access and read only memories and include at least one of form, color, height, shape, area, volume, temperature and position.

16. (Currently Amended) A communication device having a user interface, the device comprising:

a receiver for receiving a control signal; and

a changeable element controlled by a digital controller with associated random access and read only memories and responsive to the received signal to change physical characteristics of the element, wherein the changeable element forms part of the user interface and wherein the changeable element changes physical characteristics in response to the control signal thereby providing a sensory message to a user.

17. (Previously Presented) A communication device of claim 16, wherein changeable characteristics of the changeable element include at least one of form, color, height, shape, area, volume, temperature and position.

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18. (Canceled)

19. (Previously Presented) A communication device having a user interface, the device comprising:

a receiver for receiving a control signal; and

a changeable element controlled by a digital controller with associated random access and read only memories and responsive to the received signal to change characteristics of the element, wherein the changeable element forms part of the user interface and wherein the changeable element changes characteristics in response to the control signal thereby providing a sensory message to a user; and wherein

the changeable element generates control signals in response to a change in characteristics and wherein the communication device further comprises a transmitter for transmitting control signals generated by the changeable element in response to a physical deformation.

20. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements being defined by having a physical characteristic that is changeable responsive to controlled by said digital control, and where said elements are used in the user interface of said communication unit; and wherein said intra-changeable elements are included in an input device of said communication unit, and said digital controller modulates said intra-changeable elements to provide a sensory indication of options of said input device.

21. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements being defined by having a physical characteristic that is changeable responsive to controlled by said digital control, and where said elements are used in the user interface of said communication unit; and wherein said intra-changeable elements are

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included in an input device of said communication unit, and said digital controller modulates said intra-changeable elements to provide a sensory indication of options of said input device wherein said input device includes at least one of said intra-changeable elements.

22. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements being defined by having a physical characteristic that is changeable responsive to controlled by said digital control, and where said elements are used in the user interface of said communication unit; and wherein said intra-changeable elements are included in both an input and an output device of said communication unit, and said digital controller modulates said intra-changeable elements.

23. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements being defined by having a physical characteristic that is changeable responsive to controlled by said digital control, and wherein said intra-changeable elements are included in both an input and an output device of said communication unit, and said digital controller modulates said intra-changeable elements so that said input and output device includes at least one of said intra-changeable elements.

24. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements being defined by having a physical characteristic that is changeable responsive to controlled by said digital control, and where said elements are used in the user interface of said communication unit; and wherein said intra-changeable elements are included in an input device of said communication unit, and that said digital control modulates said intra-changeable elements to provide a sensory indication of options of said input device wherein said input device is a four-way-scroller.

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25. (Currently Amended) A communication unit including a digital control with associated random access and read only memory for control of said communication unit, including intra-changeable elements being defined by having a physical characteristic that is changeable responsive to controlled by said digital control, and where said elements are used in the user interface of said communication unit; and wherein said intra-changeable elements are included in an input device of said communication unit, and said processor modulates said intra-changeable elements to provide a sensory indication of options of said input device wherein said input device is a cover part of the communication unit.

26. (Previously Presented) A communication device including a user interface, the device comprising:

a receiver for receiving a control signal; and

a changeable element controlled by a digital controller with associated random access and read only memories and responsive to the received signal to change characteristics of the element, wherein the changeable element forms part of the user interface and wherein the changeable element changes characteristics in response to the control signal thereby providing a sensory message to a user; and wherein

the changeable element generates control signals in response to a change in characteristics.